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[0024]

FIG. 5 schematically shows transfer of dummy data. This illustrates the case in which the magnetic disk unit is provided with the function to send out dummy data in order to transfer data to a higher-level device (host) without interruption, in a hard disk controller or an interface control unit, when restored data is erroneous data.

[0025]

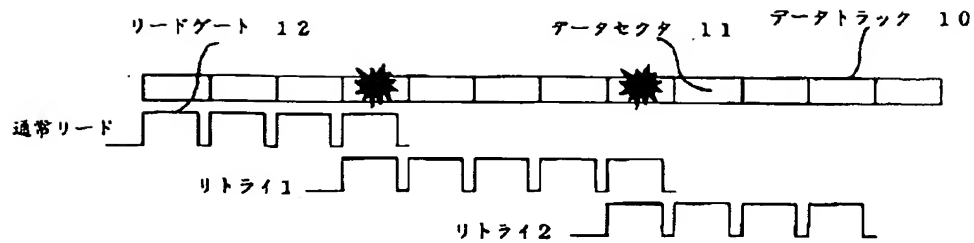
The data sector (2) and (4) are error sectors indicates that a read channel cannot demodulate data correctly due to a defective magnetic film or other failure ((2)), or that demodulation itself is impossible ((4)). For even such a data column, addition of dummy data in the hard disk controller or the interface control unit enables transfer of data to the higher-level device without disrupting the data.

FIG.5

- 1. Error Sector**
- 2. Read Gate**
- 3. Data Demodulated by Read Channel**
- 4 Erroneously Demodulated Data**
- 5. Data that could not be demodulated**
- 6. Data to be generated in the hard disk controller or interface control unit
and to be transferred to higher level**
- 7. Dummy Data**

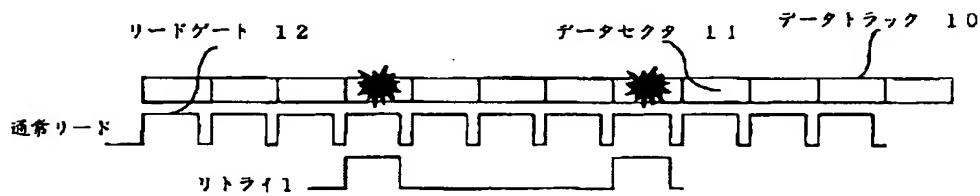
【図2】

【図2】



【図3】

【図3】



【図5】

【図5】

